

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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Study Summary

| Laboratory Name | Study Number | Study Start Date | Length of Study in Days | Number of Animals Total and (#/Cage) | Number Surviving and (Mean Life Span) | Maximum Mean Weekly Body Weight | Chemical |
|--------------------|--------------|------------------|-------------------------|--------------------------------------|---------------------------------------|---------------------------------|-------------------------------------|
| Male | | | | | | | |
| Battelle Northwest | 052001106 | 07/21/03 | 729 | 50(5) | 37(689) | 53.4 | 1-Bromopropane |
| Battelle Northwest | 056031106 | 05/15/06 | 729 | 50(5) | 39(715) | 54.3 | Cobalt |
| Battelle Northwest | 059901706 | 08/18/03 | 729 | 50(5) | 31(686) | 53.8 | Diethylamine |
| Battelle Northwest | 052051504 | 05/05/08 | 729 | 50(5) | 39(709) | 52.6 | Metal working fluids (CIMSTAR 3800) |
| Battelle Northwest | 059302506 | 06/23/03 | 729 | 50(5) | 36(695) | 52.9 | Tetralin |
| Battelle Northwest | 052030306 | 06/20/05 | 729 | 50(5) | 29(680) | 53.1 | Vinylidene chloride |
| Female | | | | | | | |
| Battelle Northwest | 052001106 | 07/21/03 | 731 | 50(5) | 36(698) | 61.2 | 1-Bromopropane |
| Battelle Northwest | 056031106 | 05/15/06 | 731 | 50(5) | 36(686) | 66.7 | Cobalt |
| Battelle Northwest | 059901706 | 08/18/03 | 731 | 50(5) | 32(684) | 60.7 | Diethylamine |
| Battelle Northwest | 052051504 | 05/05/08 | 731 | 50(5) | 39(696) | 59.2 | Metal working fluids (CIMSTAR 3800) |
| Battelle Northwest | 059302506 | 06/23/03 | 731 | 50(5) | 31(663) | 62.1 | Tetralin |
| Battelle Northwest | 052030306 | 06/20/05 | 731 | 50(5) | 36(687) | 66.0 | Vinylidene chloride |

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| | | Male | | | | Female | | | |
|------------------------------------|-------|------------------|-------------|-------------|-------|------------------|-------------|-------------|--|
| #All Organs: | | | | | | | | | |
| Benign Tumors | | | | | | | | | |
| | | 36/50 (72%) | 35/50 (70%) | 33/50 (66%) | | 22/50 (44%) | 29/50 (58%) | 25/50 (50%) | |
| | | 39/50 (78%) | 42/50 (84%) | 43/50 (86%) | | 26/50 (52%) | 24/50 (48%) | 32/50 (64%) | |
| Overall Incidence | Total | 228/300 (76%) | Mean 76% | SD 8% | Total | 158/300 (52.67%) | Mean 52.67% | SD 7.23% | |
| | | | | | | | | | |
| #All Organs: | | | | | | | | | |
| Malignant Tumors | | | | | | | | | |
| | | 30/50 (60%) | 36/50 (72%) | 36/50 (72%) | | 33/50 (66%) | 31/50 (62%) | 23/50 (46%) | |
| | | 26/50 (52%) | 26/50 (52%) | 37/50 (74%) | | 30/50 (60%) | 27/50 (54%) | 33/50 (66%) | |
| Overall Incidence | Total | 191/300 (63.67%) | Mean 63.67% | SD 10.31% | Total | 177/300 (59%) | Mean 59% | SD 7.77% | |
| | | | | | | | | | |
| #All Organs: | | | | | | | | | |
| Malignant and Benign Tumors | | | | | | | | | |
| | | 47/50 (94%) | 45/50 (90%) | 48/50 (96%) | | 42/50 (84%) | 40/50 (80%) | 41/50 (82%) | |
| | | 46/50 (92%) | 47/50 (94%) | 49/50 (98%) | | 41/50 (82%) | 40/50 (80%) | 45/50 (90%) | |
| Overall Incidence | Total | 282/300 (94%) | Mean 94% | SD 2.83% | Total | 249/300 (83%) | Mean 83% | SD 3.74% | |
| | | | | | | | | | |
| #All Organs: | | | | | | | | | |
| Hemangioma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 1/50 (2%) | 1/50 (2%) | 1/50 (2%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 3/300 (1%) | Mean 1% | SD 1.1% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #All Organs: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 2/50 (4%) | 7/50 (14%) | 7/50 (14%) | | 4/50 (8%) | 3/50 (6%) | 5/50 (10%) | |
| | | 1/50 (2%) | 4/50 (8%) | 2/50 (4%) | | 3/50 (6%) | 2/50 (4%) | 4/50 (8%) | |
| Overall Incidence | Total | 23/300 (7.67%) | Mean 7.67% | SD 5.28% | Total | 21/300 (7%) | Mean 7% | SD 2.1% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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| | | Male | | | | Female | | | |
|--|-------|----------------|------------|------------|-------|-----------------|-------------|-------------|--|
| #All Organs: | | | | | | | | | |
| Hemangiosarcoma or Hemangioma | | | | | | | | | |
| | | 2/50 (4%) | 7/50 (14%) | 7/50 (14%) | | 4/50 (8%) | 3/50 (6%) | 5/50 (10%) | |
| | | 2/50 (4%) | 5/50 (10%) | 3/50 (6%) | | 3/50 (6%) | 2/50 (4%) | 4/50 (8%) | |
| Overall Incidence | Total | 26/300 (8.67%) | Mean 8.67% | SD 4.68% | Total | 21/300 (7%) | Mean 7% | SD 2.1% | |
| | | | | | | | | | |
| #All Organs: | | | | | | | | | |
| Histiocytic Sarcoma | | | | | | | | | |
| | | 0/50 (0%) | 1/50 (2%) | 1/50 (2%) | | 1/50 (2%) | 1/50 (2%) | 1/50 (2%) | |
| | | 1/50 (2%) | 0/50 (0%) | 2/50 (4%) | | 2/50 (4%) | 2/50 (4%) | 2/50 (4%) | |
| Overall Incidence | Total | 5/300 (1.67%) | Mean 1.67% | SD 1.51% | Total | 9/300 (3%) | Mean 3% | SD 1.1% | |
| | | | | | | | | | |
| #All Organs: | | | | | | | | | |
| Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type | | | | | | | | | |
| | | 2/50 (4%) | 4/50 (8%) | 2/50 (4%) | | 17/50 (34%) | 14/50 (28%) | 8/50 (16%) | |
| | | 3/50 (6%) | 2/50 (4%) | 2/50 (4%) | | 18/50 (36%) | 12/50 (24%) | 14/50 (28%) | |
| Overall Incidence | Total | 15/300 (5%) | Mean 5% | SD 1.67% | Total | 83/300 (27.67%) | Mean 27.67% | SD 7.2% | |
| | | | | | | | | | |
| #All Organs: | | | | | | | | | |
| Mesothelioma: Benign | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #All Organs: | | | | | | | | | |
| Mesothelioma: Benign, Malignant, NOS | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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| | | Male | | | | Female | | | |
|--------------------------------|-------|----------------|------------|------------|-------|---------------|------------|-----------|--|
| #All Organs: | | | | | | | | | |
| Mesothelioma: Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #All Organs: | | | | | | | | | |
| Osteoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #All Organs: | | | | | | | | | |
| Osteosarcoma | | | | | | | | | |
| | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #All Organs: | | | | | | | | | |
| Osteosarcoma or Osteoma | | | | | | | | | |
| | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Adrenal Cortex: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 4/49 (8%) | 1/50 (2%) | 6/50 (12%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| | | 9/49 (18%) | 2/49 (4%) | 1/50 (2%) | | 0/49 (0%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 23/297 (7.74%) | Mean 7.77% | SD 6.49% | Total | 2/299 (0.67%) | Mean 0.67% | SD 1.03% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

| | | Male | | | | Female | | | |
|--|-------|---------------|------------|-----------|-------|---------------|------------|-----------|--|
| *Adrenal Cortex: | | | | | | | | | |
| Plasma Cell Tumor Malignant | | | | | | | | | |
| | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/49 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/297 (0%) | Mean 0% | SD 0% | Total | 0/299 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Adrenal Medulla: | | | | | | | | | |
| Pheochromocytoma Benign | | | | | | | | | |
| | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | | 3/50 (6%) | 1/50 (2%) | 0/50 (0%) | |
| | | 1/48 (2%) | 1/47 (2%) | 1/50 (2%) | | 1/49 (2%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 4/295 (1.36%) | Mean 1.37% | SD 1.06% | Total | 6/299 (2.01%) | Mean 2.01% | SD 2.19% | |
| | | | | | | | | | |
| *Adrenal Medulla: | | | | | | | | | |
| Pheochromocytoma Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/48 (0%) | 0/47 (0%) | 1/50 (2%) | | 0/49 (0%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 1/295 (0.34%) | Mean 0.33% | SD 0.82% | Total | 2/299 (0.67%) | Mean 0.67% | SD 1.03% | |
| | | | | | | | | | |
| *Adrenal Medulla: | | | | | | | | | |
| Pheochromocytoma: Benign, Complex, Malignant, NOS | | | | | | | | | |
| | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | | 4/50 (8%) | 1/50 (2%) | 0/50 (0%) | |
| | | 1/48 (2%) | 1/47 (2%) | 2/50 (4%) | | 1/49 (2%) | 0/50 (0%) | 2/50 (4%) | |
| Overall Incidence | Total | 5/295 (1.69%) | Mean 1.7% | SD 1.52% | Total | 8/299 (2.68%) | Mean 2.67% | SD 3.01% | |
| | | | | | | | | | |
| #Blood Vessel: | | | | | | | | | |
| Hemangioma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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| | | Male | | | | Female | | | |
|------------------------------------|-------|---------------|------------|-----------|-------|---------------|------------|-----------|--|
| *Bone Marrow: | | | | | | | | | |
| Hemangioma | | | | | | | | | |
| | | 0/48 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/298 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Bone Marrow: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/48 (0%) | 1/50 (2%) | 2/50 (4%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 4/298 (1.34%) | Mean 1.33% | SD 1.63% | Total | 2/300 (0.67%) | Mean 0.67% | SD 1.03% | |
| | | | | | | | | | |
| *Bone Marrow: | | | | | | | | | |
| Mast Cell Tumor Malignant | | | | | | | | | |
| | | 0/48 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/298 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| *Bone Marrow: | | | | | | | | | |
| Plasma Cell Tumor Malignant | | | | | | | | | |
| | | 0/48 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/298 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Bone Marrow: | | | | | | | | | |
| Sarcoma | | | | | | | | | |
| | | 0/48 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/298 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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| | | Male | | | | Female | | | |
|--------------------------------|-------|---------------|------------|-----------|-------|---------------|------------|-----------|-----------|
| #Bone: | | | | | | | | | |
| Fibroma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Bone: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 2/300 (0.67%) | Mean 0.67% | SD 1.03% | |
| | | | | | | | | | |
| #Bone: | | | | | | | | | |
| Osteoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Bone: | | | | | | | | | |
| Osteosarcoma | | | | | | | | | |
| | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Bone: | | | | | | | | | |
| Osteosarcoma or Osteoma | | | | | | | | | |
| | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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| | | Male | | | | Female | | | |
|---|-------|---------------|------------|-----------|-------|---------------|------------|-----------|--|
| #Bone: | | | | | | | | | |
| Sarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| *Brain: | | | | | | | | | |
| Granular Cell Tumor Benign | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Brain: | | | | | | | | | |
| Meningioma Benign | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Brain: | | | | | | | | | |
| Meningioma Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Brain: | | | | | | | | | |
| Meningioma: Benign, Malignant, NOS | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|--|-------|------------|-----------|-----------|-------|------------|-----------|-----------|-----------|
| *Brain: | | | | | | | | | |
| Oligodendroglioma Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Brain: | | | | | | | | | |
| Oligodendroglioma, Glioma, or Astrocytoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Brain: | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Clitoral/Preputial Gland: | | | | | | | | | |
| Hemangioma | | | | | | | | | |
| | | 0/49 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/46 (0%) | 0/43 (0%) | 0/46 (0%) | 0/46 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/44 (0%) | 0/46 (0%) | 0/45 (0%) | 0/45 (0%) |
| Overall Incidence | Total | 0/298 (0%) | Mean 0% | SD 0% | Total | 0/270 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Clitoral/Preputial Gland: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/49 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/46 (0%) | 0/43 (0%) | 0/46 (0%) | 0/46 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/44 (0%) | 0/46 (0%) | 0/45 (0%) | 0/45 (0%) |
| Overall Incidence | Total | 0/298 (0%) | Mean 0% | SD 0% | Total | 0/270 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|--------------------------------|-------|--------------|------------|------------|-------|----------------|------------|-----------|--|
| #Coagulating Gland: | | | | | | | | | |
| Granular Cell Tumor | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Coagulating Gland: | | | | | | | | | |
| Sarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Esophagus: | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Eye: | | | | | | | | | |
| Melanoma Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Harderian Gland: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 7/50 (14%) | 6/50 (12%) | 4/50 (8%) | | 3/50 (6%) | 3/50 (6%) | 3/50 (6%) | |
| | | 7/50 (14%) | 2/50 (4%) | 7/50 (14%) | | 2/50 (4%) | 1/50 (2%) | 1/50 (2%) | |
| Overall Incidence | Total | 33/300 (11%) | Mean 11% | SD 4.15% | Total | 13/300 (4.33%) | Mean 4.33% | SD 1.97% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | Female | | |
|---------------------------------|-------|-----------------|-------------|------------|------------|---------------|------------------------|
| #Harderian Gland: | | | | | | | |
| Carcinoma | | | | | | | |
| | | 3/50 (6%) | 2/50 (4%) | 4/50 (8%) | 2/50 (4%) | 0/50 (0%) | 2/50 (4%) |
| | | 5/50 (10%) | 3/50 (6%) | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | 3/50 (6%) |
| Overall Incidence | Total | 17/300 (5.67%) | Mean 5.67% | SD 3.44% | Total | 8/300 (2.67%) | Mean 2.67% SD 2.42% |
| | | | | | | | |
| #Harderian Gland: | | | | | | | |
| Carcinoma or Adenoma | | | | | | | |
| | | 10/50 (20%) | 8/50 (16%) | 8/50 (16%) | 5/50 (10%) | 3/50 (6%) | 5/50 (10%) |
| | | 12/50 (24%) | 5/50 (10%) | 7/50 (14%) | 2/50 (4%) | 2/50 (4%) | 4/50 (8%) |
| Overall Incidence | Total | 50/300 (16.67%) | Mean 16.67% | SD 4.84% | Total | 21/300 (7%) | Mean 7% SD 2.76% |
| | | | | | | | |
| *Heart: | | | | | | | |
| Hemangiosarcoma | | | | | | | |
| | | 0/50 (0%) | 1/50 (2%) | 1/50 (2%) | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 2/300 (0.67%) | Mean 0.67% | SD 1.03% | Total | 1/300 (0.33%) | Mean 0.33% SD 0.82% |
| | | | | | | | |
| #Intestine Large: Cecum: | | | | | | | |
| Adenoma | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% SD 0% |
| | | | | | | | |
| #Intestine Large: Cecum: | | | | | | | |
| Carcinoma | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 1/300 (0.33%) | Mean 0.33% SD 0.82% |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|--|-------|---------------|------------|-----------|-------|---------------|------------|-----------|--|
| #Intestine Large: Cecum: | | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Intestine Large: Cecum: | | | | | | | | | |
| Leiomyoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Intestine Large: Cecum: | | | | | | | | | |
| Leiomyosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Intestine Large: Colon/Rectum: | | | | | | | | | |
| Leiomyosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Intestine Small: Duodenum: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 2/300 (0.67%) | Mean 0.67% | SD 1.03% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|------------------------------------|-------|---------------|------------|-----------|-------|---------------|------------|-----------|--|
| #Intestine Small: Duodenum: | | | | | | | | | |
| Carcinoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Intestine Small: Duodenum: | | | | | | | | | |
| Leiomyosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Intestine Small: Duodenum: | | | | | | | | | |
| Polyp Adenomatous | | | | | | | | | |
| | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Intestine Small: Ileum: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 2/300 (0.67%) | Mean 0.67% | SD 1.03% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Intestine Small: Ileum: | | | | | | | | | |
| Carcinoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 2/300 (0.67%) | Mean 0.67% | SD 1.03% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

Page: 147
 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|-----------------------------------|-------|------------|-----------|-----------|-------|---------------|------------|-----------|--|
| #Intestine Small: Ileum: | | | | | | | | | |
| Polyp Adenomatous | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Intestine Small: Jejunum: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Intestine Small: Jejunum: | | | | | | | | | |
| Carcinoma | | | | | | | | | |
| | | 4/50 (8%) | 0/50 (0%) | 2/50 (4%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 6/300 (2%) | Mean 2% | SD 3.35% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Intestine Small: Jejunum: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Intestine Small: Jejunum: | | | | | | | | | |
| Leiomyosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|--|-------|----------------|------------|-----------|-------|---------------|------------|-----------|--|
| #Intestine Small: Site Unspecified: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/50 (0%) | 2/50 (4%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 1/50 (2%) | 0/50 (0%) | 1/50 (2%) | | 1/50 (2%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 4/300 (1.33%) | Mean 1.33% | SD 1.63% | Total | 2/300 (0.67%) | Mean 0.67% | SD 1.03% | |
| | | | | | | | | | |
| #Intestine Small: Site Unspecified: | | | | | | | | | |
| Carcinoma | | | | | | | | | |
| | | 4/50 (8%) | 0/50 (0%) | 2/50 (4%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 6/300 (2%) | Mean 2% | SD 3.35% | Total | 2/300 (0.67%) | Mean 0.67% | SD 1.03% | |
| | | | | | | | | | |
| #Intestine Small: Site Unspecified: | | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | | |
| | | 4/50 (8%) | 2/50 (4%) | 2/50 (4%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| | | 1/50 (2%) | 0/50 (0%) | 1/50 (2%) | | 1/50 (2%) | 0/50 (0%) | 2/50 (4%) | |
| Overall Incidence | Total | 10/300 (3.33%) | Mean 3.33% | SD 2.73% | Total | 4/300 (1.33%) | Mean 1.33% | SD 1.63% | |
| | | | | | | | | | |
| #Intestine Small: Site Unspecified: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Intestine Small: Site Unspecified: | | | | | | | | | |
| Leiomyosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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| | | Male | | | | Female | | | |
|---|-------|---------------|------------|-----------|-------|---------------|------------|-----------|--|
| #Intestine Small: Site Unspecified: | | | | | | | | | |
| Polyp Adenomatous | | | | | | | | | |
| | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| *Islets, Pancreatic: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/48 (0%) | 0/49 (0%) | 2/50 (4%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 2/50 (4%) | 2/49 (4%) | 2/50 (4%) | | 1/50 (2%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 8/296 (2.7%) | Mean 2.68% | SD 2.08% | Total | 2/300 (0.67%) | Mean 0.67% | SD 1.03% | |
| | | | | | | | | | |
| *Islets, Pancreatic: | | | | | | | | | |
| Carcinoma | | | | | | | | | |
| | | 0/48 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/296 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Islets, Pancreatic: | | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | | |
| | | 0/48 (0%) | 0/49 (0%) | 2/50 (4%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 2/50 (4%) | 2/49 (4%) | 2/50 (4%) | | 1/50 (2%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 8/296 (2.7%) | Mean 2.68% | SD 2.08% | Total | 2/300 (0.67%) | Mean 0.67% | SD 1.03% | |
| | | | | | | | | | |
| *Kidney: Pelvis and Transitional Epithelium: | | | | | | | | | |
| Carcinoma | | | | | | | | | |
| | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/298 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

Page: 150
 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|---|-------|------------|-----------|-----------|-------|---------------|------------|-----------|--|
| *Kidney: Pelvis and Transitional Epithelium: | | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | | |
| | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/298 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| *Kidney: Renal Tubule: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/298 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Kidney: Renal Tubule: | | | | | | | | | |
| Carcinoma | | | | | | | | | |
| | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/298 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Kidney: Renal Tubule: | | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | | |
| | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/298 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Kidney: Renal Tubule: | | | | | | | | | |
| Hemangioma | | | | | | | | | |
| | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/298 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|------------------------------------|-------|----------------|------------|-----------|-------|------------|-----------|-----------|--|
| *Kidney: Renal Tubule: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 1/50 (2%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/298 (0.34%) | Mean 0.33% | SD 0.82% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Kidney: Renal Tubule: | | | | | | | | | |
| Plasma Cell Tumor Malignant | | | | | | | | | |
| | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/298 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Kidney: Renal Tubule: | | | | | | | | | |
| Sarcoma | | | | | | | | | |
| | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/298 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Liver: | | | | | | | | | |
| Hemangioma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/299 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Liver: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 1/50 (2%) | 4/50 (8%) | 2/50 (4%) | | 0/50 (0%) | 2/50 (4%) | 1/50 (2%) | |
| | | 0/50 (0%) | 1/49 (2%) | 2/50 (4%) | | 0/50 (0%) | 2/50 (4%) | 1/50 (2%) | |
| Overall Incidence | Total | 10/299 (3.34%) | Mean 3.34% | SD 2.73% | Total | 6/300 (2%) | Mean 2% | SD 1.79% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|---|-------|------------------|-------------|-------------|-------|------------------|-------------|-------------|--|
| *Liver: | | | | | | | | | |
| Hepatoblastoma | | | | | | | | | |
| | | 1/50 (2%) | 2/50 (4%) | 1/50 (2%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 1/50 (2%) | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 5/299 (1.67%) | Mean 1.67% | SD 1.51% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| *Liver: | | | | | | | | | |
| Hepatocellular Adenoma | | | | | | | | | |
| | | 30/50 (60%) | 28/50 (56%) | 28/50 (56%) | | 19/50 (38%) | 19/50 (38%) | 14/50 (28%) | |
| | | 24/50 (48%) | 33/49 (67%) | 37/50 (74%) | | 14/50 (28%) | 14/50 (28%) | 25/50 (50%) | |
| Overall Incidence | Total | 180/299 (60.2%) | Mean 60.22% | SD 9.23% | Total | 105/300 (35%) | Mean 35% | SD 8.83% | |
| | | | | | | | | | |
| *Liver: | | | | | | | | | |
| Hepatocellular Carcinoma | | | | | | | | | |
| | | 15/50 (30%) | 25/50 (50%) | 20/50 (40%) | | 5/50 (10%) | 10/50 (20%) | 4/50 (8%) | |
| | | 11/50 (22%) | 11/49 (22%) | 26/50 (52%) | | 10/50 (20%) | 7/50 (14%) | 8/50 (16%) | |
| Overall Incidence | Total | 108/299 (36.12%) | Mean 36.07% | SD 13.29% | Total | 44/300 (14.67%) | Mean 14.67% | SD 5.01% | |
| | | | | | | | | | |
| *Liver: | | | | | | | | | |
| Hepatocellular Carcinoma or Hepatoblastoma | | | | | | | | | |
| | | 16/50 (32%) | 27/50 (54%) | 20/50 (40%) | | 5/50 (10%) | 10/50 (20%) | 4/50 (8%) | |
| | | 11/50 (22%) | 11/49 (22%) | 27/50 (54%) | | 10/50 (20%) | 7/50 (14%) | 8/50 (16%) | |
| Overall Incidence | Total | 112/299 (37.46%) | Mean 37.41% | SD 14.48% | Total | 44/300 (14.67%) | Mean 14.67% | SD 5.01% | |
| | | | | | | | | | |
| *Liver: | | | | | | | | | |
| Hepatocellular Carcinoma or Hepatocellular Adenoma | | | | | | | | | |
| | | 38/50 (76%) | 38/50 (76%) | 40/50 (80%) | | 24/50 (48%) | 25/50 (50%) | 16/50 (32%) | |
| | | 32/50 (64%) | 37/49 (76%) | 44/50 (88%) | | 20/50 (40%) | 20/50 (40%) | 28/50 (56%) | |
| Overall Incidence | Total | 229/299 (76.59%) | Mean 76.59% | SD 7.77% | Total | 133/300 (44.33%) | Mean 44.33% | SD 8.62% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

Page: 153
 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|--|-------|------------------|-------------|-------------|-------|------------------|-------------|-------------|--|
| *Liver: | | | | | | | | | |
| Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma | | | | | | | | | |
| | | 38/50 (76%) | 39/50 (78%) | 40/50 (80%) | | 24/50 (48%) | 25/50 (50%) | 16/50 (32%) | |
| | | 32/50 (64%) | 37/49 (76%) | 45/50 (90%) | | 20/50 (40%) | 20/50 (40%) | 28/50 (56%) | |
| Overall Incidence | Total | 231/299 (77.26%) | Mean 77.25% | SD 8.38% | Total | 133/300 (44.33%) | Mean 44.33% | SD 8.62% | |
| | | | | | | | | | |
| *Liver: | | | | | | | | | |
| Hepatocholangiocarcinoma | | | | | | | | | |
| | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 1/50 (2%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 2/299 (0.67%) | Mean 0.67% | SD 1.03% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Liver: | | | | | | | | | |
| Hepatocholangioma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/299 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Liver: | | | | | | | | | |
| Ito Cell Tumor Benign | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/299 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Liver: | | | | | | | | | |
| Mast Cell Tumor Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/299 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |

#: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|---|-------|-----------------|-------------|-------------|-------|----------------|------------|------------|-----------|
| *Liver: | | | | | | | | | |
| Plasma Cell Tumor Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/299 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Liver: | | | | | | | | | |
| Sarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/299 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Lung: | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | |
| | | 6/50 (12%) | 7/50 (14%) | 4/50 (8%) | | 1/50 (2%) | 3/49 (6%) | 2/50 (4%) | |
| | | 5/50 (10%) | 10/50 (20%) | 7/50 (14%) | | 1/50 (2%) | 6/50 (12%) | 3/50 (6%) | |
| Overall Incidence | Total | 39/300 (13%) | Mean 13% | SD 4.15% | Total | 16/299 (5.35%) | Mean 5.35% | SD 3.73% | |
| | | | | | | | | | |
| *Lung: | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | |
| | | 8/50 (16%) | 11/50 (22%) | 12/50 (24%) | | 0/50 (0%) | 5/49 (10%) | 3/50 (6%) | |
| | | 8/50 (16%) | 11/50 (22%) | 9/50 (18%) | | 4/50 (8%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 59/300 (19.67%) | Mean 19.67% | SD 3.44% | Total | 13/299 (4.35%) | Mean 4.37% | SD 4.33% | |
| | | | | | | | | | |
| *Lung: | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma | | | | | | | | | |
| | | 13/50 (26%) | 16/50 (32%) | 15/50 (30%) | | 1/50 (2%) | 8/49 (16%) | 5/50 (10%) | |
| | | 13/50 (26%) | 20/50 (40%) | 13/50 (26%) | | 4/50 (8%) | 6/50 (12%) | 4/50 (8%) | |
| Overall Incidence | Total | 90/300 (30%) | Mean 30% | SD 5.51% | Total | 28/299 (9.36%) | Mean 9.39% | SD 4.77% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|------------------------------------|-------|---------------|------------|-----------|-------|---------------|------------|-----------|--|
| *Lung: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/49 (0%) | 1/50 (2%) | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 2/299 (0.67%) | Mean 0.67% | SD 1.03% | |
| | | | | | | | | | |
| *Lung: | | | | | | | | | |
| Plasma Cell Tumor Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/299 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Lymph Node: | | | | | | | | | |
| Plasma Cell Tumor Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Lymph Node, Bronchial: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Lymph Node, Mandibular: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|---|-------|------------|-----------|-----------|-------|---------------|------------|-----------|--|
| #Lymph Node, Mandibular: Mast Cell Tumor Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Lymph Node, Mandibular: Plasma Cell Tumor Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Lymph Node, Mediastinal: Mast Cell Tumor Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Lymph Node, Mesenteric: Hemangiosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Lymph Node, Mesenteric: Plasma Cell Tumor Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|---|-------|------------|-----------|-----------|-------|----------------|------------|-----------|-----------|
| #Mammary Gland: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Mammary Gland: | | | | | | | | | |
| Carcinoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 2/50 (4%) | 1/50 (2%) | 4/50 (8%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 2/50 (4%) | 1/50 (2%) | 1/50 (2%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 11/300 (3.67%) | Mean 3.67% | SD 2.34% | |
| | | | | | | | | | |
| #Mammary Gland: | | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 2/50 (4%) | 1/50 (2%) | 4/50 (8%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 2/50 (4%) | 1/50 (2%) | 1/50 (2%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 11/300 (3.67%) | Mean 3.67% | SD 2.34% | |
| | | | | | | | | | |
| #Mammary Gland: | | | | | | | | | |
| Fibroadenoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Mammary Gland: | | | | | | | | | |
| Fibroma, Fibroadenoma or Adenoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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| | | Male | | | | Female | | | |
|---|-------|---------------|------------|-----------|-------|---------------|------------|------------|--|
| #Mammary Gland: | | | | | | | | | |
| Fibroma, Fibroadenoma, Carcinoma, or Adenoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 2/50 (4%) | 1/50 (2%) | 5/50 (10%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 2/50 (4%) | 1/50 (2%) | 1/50 (2%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 12/300 (4%) | Mean 4% | SD 3.1% | |
| | | | | | | | | | |
| #Mesentery: | | | | | | | | | |
| Hemangioma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Mesentery: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 1/50 (2%) | 0/50 (0%) | 2/50 (4%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 4/300 (1.33%) | Mean 1.33% | SD 1.63% | |
| | | | | | | | | | |
| #Mesentery: | | | | | | | | | |
| Lipoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Mesentery: | | | | | | | | | |
| Sarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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| | | Male | | | | Female | | | |
|---|-------|------------|-----------|-----------|-------|------------|-----------|-----------|--|
| *Nose: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/299 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Nose: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/299 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): | | | | | | | | | |
| Papilloma Squamous or Papilloma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): | | | | | | | | | |
| Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|------------------------------------|-------|------------|-----------|-----------|-------|----------------|------------|-----------|-----------|
| #Oral Mucosa: | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Ovary: | | | | | | | | | |
| Choriocarcinoma | | | | | | | | | |
| | | | | | | 0/50 (0%) | 0/48 (0%) | 0/49 (0%) | |
| | | | | | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | | | | Total | 0/297 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Ovary: | | | | | | | | | |
| Cystadenocarcinoma | | | | | | | | | |
| | | | | | | 0/50 (0%) | 0/48 (0%) | 0/49 (0%) | |
| | | | | | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | | | | Total | 0/297 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Ovary: | | | | | | | | | |
| Cystadenoma | | | | | | | | | |
| | | | | | | 3/50 (6%) | 1/48 (2%) | 3/49 (6%) | |
| | | | | | | 2/50 (4%) | 2/50 (4%) | 1/50 (2%) | |
| Overall Incidence | Total | | | | Total | 12/297 (4.04%) | Mean 4.03% | SD 1.8% | |
| | | | | | | | | | |
| *Ovary: | | | | | | | | | |
| Granulosa Cell Tumor Benign | | | | | | | | | |
| | | | | | | 0/50 (0%) | 0/48 (0%) | 0/49 (0%) | |
| | | | | | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | | | | Total | 1/297 (0.34%) | Mean 0.33% | SD 0.82% | |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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| | Male | Female |
|---|----------------------------|--------------------------------------|
| *Ovary: | | |
| Granulosa Cell Tumor: Benign, Malignant, NOS | | |
| | 0/50 (0%) | 0/48 (0%) |
| | 1/50 (2%) | 0/50 (0%) |
| Overall Incidence | Total 1/297 (0.34%) | Mean 0.33% SD 0.82% |
| | | |
| *Ovary: | | |
| Hemangioma | | |
| | 0/50 (0%) | 0/48 (0%) |
| | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total 0/297 (0%) | Mean 0% SD 0% |
| | | |
| *Ovary: | | |
| Hemangiosarcoma | | |
| | 0/50 (0%) | 0/48 (0%) |
| | 0/50 (0%) | 1/49 (2%) |
| Overall Incidence | Total 1/297 (0.34%) | Mean 0.34% SD 0.83% |
| | | |
| *Ovary: | | |
| Luteoma | | |
| | 1/50 (2%) | 0/48 (0%) |
| | 1/50 (2%) | 1/50 (2%) |
| Overall Incidence | Total 4/297 (1.35%) | Mean 1.33% SD 1.03% |
| | | |
| *Ovary: | | |
| Plasma Cell Tumor Malignant | | |
| | 0/50 (0%) | 0/48 (0%) |
| | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total 0/297 (0%) | Mean 0% SD 0% |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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 Report Date: 06/05/2013

| | Male | Female |
|------------------------------|---------------------|---------------------|
| *Ovary: | | |
| Sarcoma | | |
| | 0/50 (0%) | 0/48 (0%) |
| | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total 0/297 (0%) | Mean 0% SD 0% |
| | | |
| *Ovary: | | |
| Teratoma Benign | | |
| | 0/50 (0%) | 0/48 (0%) |
| | 0/50 (0%) | 1/50 (2%) |
| Overall Incidence | Total 1/297 (0.34%) | Mean 0.33% SD 0.82% |
| | | |
| *Ovary: | | |
| Teratoma Malignant | | |
| | 0/50 (0%) | 0/48 (0%) |
| | 0/50 (0%) | 1/50 (2%) |
| Overall Incidence | Total 1/297 (0.34%) | Mean 0.33% SD 0.82% |
| | | |
| *Ovary: | | |
| Tubulostromal Adenoma | | |
| | 0/50 (0%) | 0/48 (0%) |
| | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total 0/297 (0%) | Mean 0% SD 0% |
| | | |
| *Ovary: | | |
| Yolk Sac Carcinoma | | |
| | 0/50 (0%) | 1/48 (2%) |
| | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total 1/297 (0.34%) | Mean 0.35% SD 0.85% |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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| | | Male | | | | Female | | | |
|---|-------|---------------|------------|-----------|-------|-----------------|-------------|-------------|-----------|
| *Pancreas: | | | | | | | | | |
| Carcinoma | | | | | | | | | |
| | | 1/48 (2%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 1/297 (0.34%) | Mean 0.35% | SD 0.85% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| *Pancreas: | | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | | |
| | | 1/48 (2%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 1/297 (0.34%) | Mean 0.35% | SD 0.85% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| *Pituitary Gland: Pars Distalis or Unspecified Site: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 1/46 (2%) | 0/47 (0%) | 0/50 (0%) | | 5/46 (11%) | 3/47 (6%) | 10/50 (20%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/49 (0%) | | 5/50 (10%) | 6/49 (12%) | 8/50 (16%) | |
| Overall Incidence | Total | 1/292 (0.34%) | Mean 0.36% | SD 0.89% | Total | 37/292 (12.67%) | Mean 12.58% | SD 4.79% | |
| | | | | | | | | | |
| *Pituitary Gland: Pars Distalis or Unspecified Site: | | | | | | | | | |
| Carcinoma | | | | | | | | | |
| | | 0/46 (0%) | 0/47 (0%) | 0/50 (0%) | | 1/46 (2%) | 0/47 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/49 (0%) | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/292 (0%) | Mean 0% | SD 0% | Total | 1/292 (0.34%) | Mean 0.36% | SD 0.89% | |
| | | | | | | | | | |
| *Pituitary Gland: Pars Distalis or Unspecified Site: | | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | | |
| | | 1/46 (2%) | 0/47 (0%) | 0/50 (0%) | | 6/46 (13%) | 3/47 (6%) | 10/50 (20%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/49 (0%) | | 5/50 (10%) | 6/49 (12%) | 8/50 (16%) | |
| Overall Incidence | Total | 1/292 (0.34%) | Mean 0.36% | SD 0.89% | Total | 38/292 (13.01%) | Mean 12.95% | SD 4.72% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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| | | Male | | | | Female | | | |
|---|-------|---------------|------------|-----------|-------|---------------|------------|-----------|--|
| *Pituitary Gland: Pars Intermedia: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/46 (0%) | 0/47 (0%) | 0/50 (0%) | | 0/46 (0%) | 0/47 (0%) | 2/50 (4%) | |
| | | 0/50 (0%) | 0/50 (0%) | 1/49 (2%) | | 0/50 (0%) | 1/49 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/292 (0.34%) | Mean 0.34% | SD 0.83% | Total | 3/292 (1.03%) | Mean 1.01% | SD 1.68% | |
| | | | | | | | | | |
| *Pituitary Gland: Pars Intermedia: | | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | | |
| | | 0/46 (0%) | 0/47 (0%) | 0/50 (0%) | | 0/46 (0%) | 0/47 (0%) | 2/50 (4%) | |
| | | 0/50 (0%) | 0/50 (0%) | 1/49 (2%) | | 0/50 (0%) | 1/49 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/292 (0.34%) | Mean 0.34% | SD 0.83% | Total | 3/292 (1.03%) | Mean 1.01% | SD 1.68% | |
| | | | | | | | | | |
| *Salivary Glands: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/49 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/299 (0%) | Mean 0% | SD 0% | Total | 0/299 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Salivary Glands: | | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | | |
| | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/49 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/299 (0%) | Mean 0% | SD 0% | Total | 0/299 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Salivary Glands: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/49 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/299 (0%) | Mean 0% | SD 0% | Total | 0/299 (0%) | Mean 0% | SD 0% | |

#: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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| | | Male | | | | Female | | | |
|----------------------------------|-------|---------------|------------|-----------|-------|---------------|------------|-----------|--|
| *Salivary Glands: | | | | | | | | | |
| Mast Cell Tumor Malignant | | | | | | | | | |
| | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/49 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/299 (0%) | Mean 0% | SD 0% | Total | 0/299 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Salivary Glands: | | | | | | | | | |
| Myxoma | | | | | | | | | |
| | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/49 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 0/299 (0%) | Mean 0% | SD 0% | Total | 1/299 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Seminal Vesicle: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | | | | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | | | | | |
| | | | | | | | | | |
| #Skeletal Muscle: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Skeletal Muscle: | | | | | | | | | |
| Rhabdomyosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|--|-------|------------|-----------|-----------|-------|---------------|------------|-----------|--|
| #Skeletal Muscle: | | | | | | | | | |
| Rhabdomyosarcoma or Rhabdomyoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Skeletal Muscle: | | | | | | | | | |
| Sarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Basal Cell Carcinoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS) | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|---|-------|---------------|------------|-----------|-------|----------------|------------|-----------|-----------|
| #Skin: | | | | | | | | | |
| Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| ----- | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 8/50 (16%) | 2/50 (4%) | 4/50 (8%) | |
| | | 0/50 (0%) | 2/50 (4%) | 1/50 (2%) | | 0/50 (0%) | 1/50 (2%) | 2/50 (4%) | |
| Overall Incidence | Total | 4/300 (1.33%) | Mean 1.33% | SD 1.63% | Total | 17/300 (5.67%) | Mean 5.67% | SD 5.72% | |
| ----- | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Fibrosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| ----- | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 8/50 (16%) | 2/50 (4%) | 4/50 (8%) | |
| | | 0/50 (0%) | 2/50 (4%) | 1/50 (2%) | | 0/50 (0%) | 1/50 (2%) | 2/50 (4%) | |
| Overall Incidence | Total | 4/300 (1.33%) | Mean 1.33% | SD 1.63% | Total | 17/300 (5.67%) | Mean 5.67% | SD 5.72% | |
| ----- | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Fibrous Histiocytoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 1/50 (2%) | 1/50 (2%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 2/300 (0.67%) | Mean 0.67% | SD 1.03% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|-----------------------------------|-------|---------------|------------|-----------|-------|------------|-----------|-----------|--|
| #Skin: | | | | | | | | | |
| Granular Cell Tumor Benign | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Hemangioma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 2/50 (4%) | 0/50 (0%) | | 2/50 (4%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 3/300 (1%) | Mean 1% | SD 1.67% | Total | 3/300 (1%) | Mean 1% | SD 1.67% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Keratoacanthoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Lipoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|----------------------------------|-------|---------------|------------|-----------|-------|------------|-----------|-----------|--|
| #Skin: | | | | | | | | | |
| Liposarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Mast Cell Tumor Benign | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Mast Cell Tumor Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Melanoma Benign | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Melanoma Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|--|-------|---------------|------------|-----------|-------|---------------|------------|-----------|--|
| #Skin: | | | | | | | | | |
| Neural Crest Tumor | | | | | | | | | |
| | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Neurofibroma or Schwannoma benign | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Neurofibrosarcoma or Schwannoma (malignant or NOS) | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS) | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Osteosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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| | | Male | | | | Female | | | |
|---|-------|---------------|------------|-----------|-------|---------------|------------|-----------|--|
| #Skin: | | | | | | | | | |
| Sarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 7/50 (14%) | 2/50 (4%) | 4/50 (8%) | |
| | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 1/50 (2%) | |
| Overall Incidence | Total | 2/300 (0.67%) | Mean 0.67% | SD 1.03% | Total | 15/300 (5%) | Mean 5% | SD 5.18% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Schwannoma Benign | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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| | | Male | | | | Female | | | |
|---|-------|---------------|------------|-----------|-------|---------------|------------|-----------|--|
| #Skin: | | | | | | | | | |
| Squamous Cell Papilloma or Papilloma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Squamous Cell Papilloma, Papilloma, or Keratoacanthoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Skin: Sebaceous Gland: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Skin: Sebaceous Gland: | | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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| | | Male | | | | Female | | | |
|------------------------------------|-------|---------------|-----------|-----------|-------|----------------|------------|-----------|-----------|
| #Spinal Cord: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Spleen: | | | | | | | | | |
| Hemangioma | | | | | | | | | |
| | | 0/48 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/297 (0%) | Mean 0% | SD 0% | Total | 0/299 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Spleen: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 2/48 (4%) | 3/50 (6%) | 3/50 (6%) | | 1/50 (2%) | 2/49 (4%) | 2/50 (4%) | 2/50 (4%) |
| | | 0/50 (0%) | 1/49 (2%) | 2/50 (4%) | | 1/50 (2%) | 1/50 (2%) | 3/50 (6%) | 3/50 (6%) |
| Overall Incidence | Total | 11/297 (3.7%) | Mean 3.7% | SD 2.34% | Total | 10/299 (3.34%) | Mean 3.35% | SD 1.64% | |
| | | | | | | | | | |
| *Spleen: | | | | | | | | | |
| Mast Cell Tumor Malignant | | | | | | | | | |
| | | 0/48 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/49 (2%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/297 (0%) | Mean 0% | SD 0% | Total | 1/299 (0.33%) | Mean 0.34% | SD 0.83% | |
| | | | | | | | | | |
| *Spleen: | | | | | | | | | |
| Plasma Cell Tumor Malignant | | | | | | | | | |
| | | 0/48 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/297 (0%) | Mean 0% | SD 0% | Total | 0/299 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|--|-------|---------------|------------|-----------|-------|---------------|------------|-----------|--|
| #Stomach, Forestomach: | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 2/50 (4%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 2/300 (0.67%) | Mean 0.67% | SD 1.63% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Stomach, Forestomach: | | | | | | | | | |
| Squamous Cell Carcinoma or Papilloma Squamous | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 2/50 (4%) | | 0/50 (0%) | 1/50 (2%) | 1/50 (2%) | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 3/300 (1%) | Mean 1% | SD 1.67% | Total | 3/300 (1%) | Mean 1% | SD 1.1% | |
| | | | | | | | | | |
| #Stomach, Forestomach: | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 2/300 (0.67%) | Mean 0.67% | SD 1.03% | |
| | | | | | | | | | |
| #Stomach, Glandular: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Stomach, Glandular: | | | | | | | | | |
| Carcinoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|-----------------------------|-------|---------------|------------|-----------|-------|---------------|------------|-----------|--|
| #Stomach, Glandular: | | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| *Testes: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | | | | |
| Overall Incidence | Total | 2/300 (0.67%) | Mean 0.67% | SD 1.03% | | | | | |
| | | | | | | | | | |
| *Testes: | | | | | | | | | |
| Hemangioma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | | | | | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | | | | | |
| | | | | | | | | | |
| *Thymus: | | | | | | | | | |
| Neoplasm NOS | | | | | | | | | |
| | | 0/38 (0%) | 0/42 (0%) | 0/38 (0%) | | 0/49 (0%) | 1/46 (2%) | 0/47 (0%) | |
| | | 0/41 (0%) | 0/47 (0%) | 0/39 (0%) | | 0/44 (0%) | 0/48 (0%) | 0/47 (0%) | |
| Overall Incidence | Total | 0/245 (0%) | Mean 0% | SD 0% | Total | 1/281 (0.36%) | Mean 0.36% | SD 0.89% | |
| | | | | | | | | | |
| *Thymus: | | | | | | | | | |
| Thymoma Benign | | | | | | | | | |
| | | 0/38 (0%) | 0/42 (0%) | 0/38 (0%) | | 0/49 (0%) | 0/46 (0%) | 0/47 (0%) | |
| | | 0/41 (0%) | 0/47 (0%) | 0/39 (0%) | | 0/44 (0%) | 0/48 (0%) | 0/47 (0%) | |
| Overall Incidence | Total | 0/245 (0%) | Mean 0% | SD 0% | Total | 0/281 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|---|-------|------------|-----------|-----------|-------|---------------|------------|-----------|--|
| *Thymus: | | | | | | | | | |
| Thymoma Malignant | | | | | | | | | |
| | | 0/38 (0%) | 0/42 (0%) | 0/38 (0%) | | 0/49 (0%) | 0/46 (0%) | 0/47 (0%) | |
| | | 0/41 (0%) | 0/47 (0%) | 0/39 (0%) | | 0/44 (0%) | 0/48 (0%) | 0/47 (0%) | |
| Overall Incidence | Total | 0/245 (0%) | Mean 0% | SD 0% | Total | 0/281 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Thymus: | | | | | | | | | |
| Thymoma: Benign, Malignant, NOS | | | | | | | | | |
| | | 0/38 (0%) | 0/42 (0%) | 0/38 (0%) | | 0/49 (0%) | 0/46 (0%) | 0/47 (0%) | |
| | | 0/41 (0%) | 0/47 (0%) | 0/39 (0%) | | 0/44 (0%) | 0/48 (0%) | 0/47 (0%) | |
| Overall Incidence | Total | 0/245 (0%) | Mean 0% | SD 0% | Total | 0/281 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Thyroid Gland: C-Cell: | | | | | | | | | |
| Carcinoma | | | | | | | | | |
| | | 0/49 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/297 (0%) | Mean 0% | SD 0% | Total | 0/299 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Thyroid Gland: C-Cell: | | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | | |
| | | 0/49 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/297 (0%) | Mean 0% | SD 0% | Total | 0/299 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Thyroid Gland: Follicular Cell: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/49 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/49 (0%) | 1/50 (2%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/297 (0%) | Mean 0% | SD 0% | Total | 1/299 (0.33%) | Mean 0.33% | SD 0.82% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|--|-------|------------|-----------|-----------|-------|---------------|------------|-----------|--|
| *Thyroid Gland: Follicular Cell: Carcinoma | | | | | | | | | |
| | | 0/49 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/297 (0%) | Mean 0% | SD 0% | Total | 1/299 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| *Thyroid Gland: Follicular Cell: Carcinoma or Adenoma | | | | | | | | | |
| | | 0/49 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/49 (0%) | 1/50 (2%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/297 (0%) | Mean 0% | SD 0% | Total | 2/299 (0.67%) | Mean 0.67% | SD 1.03% | |
| | | | | | | | | | |
| #Tissue NOS: Fibrosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Tissue NOS: Hemangiosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Tissue NOS: Plasma Cell Tumor Malignant | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
Route: INHALATION
Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|--|-------|------------|-----------|-----------|-------|------------|-----------|-----------|-----------|
| #Tissue NOS: | | | | | | | | | |
| Sarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Tongue: | | | | | | | | | |
| Fibroma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Tongue: | | | | | | | | | |
| Squamous Cell Carcinoma or Papilloma Squamous | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Tongue: | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Tooth: | | | | | | | | | |
| Odontoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 2/50 (4%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 3/300 (1%) | Mean 1% | SD 1.67% | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: INHALATION
 Vehicle: AIR

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 Report Date: 06/05/2013

| | | Male | | | | Female | | | |
|------------------------------------|-------|---------------|------------|-----------|-------|---------------|------------|-----------|-----------|
| #Urethra: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | Total | 0/300 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Urinary Bladder: | | | | | | | | | |
| Hemangiosarcoma | | | | | | | | | |
| | | 0/47 (0%) | 0/48 (0%) | 0/50 (0%) | | 1/50 (2%) | 0/49 (0%) | 0/50 (0%) | |
| | | 1/50 (2%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/49 (0%) | 0/49 (0%) | |
| Overall Incidence | Total | 1/294 (0.34%) | Mean 0.33% | SD 0.82% | Total | 1/297 (0.34%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| *Urinary Bladder: | | | | | | | | | |
| Plasma Cell Tumor Malignant | | | | | | | | | |
| | | 0/47 (0%) | 0/48 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) | | 0/50 (0%) | 0/49 (0%) | 0/49 (0%) | |
| Overall Incidence | Total | 0/294 (0%) | Mean 0% | SD 0% | Total | 0/297 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Uterus: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | | | | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | | | | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | | | | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | | | | | |
| #Uterus: | | | | | | | | | |
| Carcinoma | | | | | | | | | |
| | | | | | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | | | | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | | | | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

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| | Male | | Female | | |
|--------------------------|-------|---------------|------------|-----------|--|
| #Uterus: | | | | | |
| Hemangiosarcoma | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 1/50 (2%) | 1/50 (2%) | 1/50 (2%) | |
| Overall Incidence | Total | 3/300 (1%) | Mean 1% | SD 1.1% | |
| | | | | | |
| #Uterus: | | | | | |
| Leiomyoma | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | |
| #Uterus: | | | | | |
| Leiomyosarcoma | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | |
| Overall Incidence | Total | 1/300 (0.33%) | Mean 0.33% | SD 0.82% | |
| | | | | | |
| #Uterus: | | | | | |
| Polyp Stromal | | | | | |
| | | 0/50 (0%) | 2/50 (4%) | 1/50 (2%) | |
| | | 0/50 (0%) | 1/50 (2%) | 2/50 (4%) | |
| Overall Incidence | Total | 6/300 (2%) | Mean 2% | SD 1.79% | |
| | | | | | |
| #Uterus: | | | | | |
| Sarcoma | | | | | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| | | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | |
| Overall Incidence | Total | 0/300 (0%) | Mean 0% | SD 0% | |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

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| | | | | | Male | | | | | | Female | | | |
|---|--|--|-------|------|-------|------|-------|------|------|----|--------|------|------|-------|
| #Uterus: | | | | | | | | | | | | | | |
| Sarcoma Stromal | | | | | | | | | | | | | | |
| | | | | | 0/50 | (0%) | | | | | | 0/50 | (0%) | |
| | | | | | 0/50 | (0%) | | | | | | 0/50 | (0%) | |
| Overall Incidence | | | | | Total | | 0/300 | (0%) | Mean | | 0% | SD | | 0% |
| | | | | | | | | | | | | | | |
| #Uterus: | | | | | | | | | | | | | | |
| Sarcoma Stromal or Polyp Stromal | | | | | | | | | | | | | | |
| | | | | | 0/50 | (0%) | | | | | | 2/50 | (4%) | |
| | | | | | 0/50 | (0%) | | | | | | 1/50 | (2%) | |
| Overall Incidence | | | | | Total | | 6/300 | (2%) | Mean | | 2% | SD | | 1.79% |
| | | | | | | | | | | | | | | |
| #Vagina: | | | | | | | | | | | | | | |
| Liposarcoma | | | | | | | | | | | | | | |
| | | | | | 0/50 | (0%) | | | | | | 0/50 | (0%) | |
| | | | | | 0/50 | (0%) | | | | | | 0/50 | (0%) | |
| Overall Incidence | | | | | Total | | 0/300 | (0%) | Mean | | 0% | SD | | 0% |
| | | | | | | | | | | | | | | |
| #Zymbal's Gland: | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | |
| | | | 0/50 | (0%) | | | | 0/50 | (0%) | | | | 0/50 | (0%) |
| | | | 0/50 | (0%) | | | | 0/50 | (0%) | | | | 0/50 | (0%) |
| Overall Incidence | | | Total | | 0/300 | (0%) | Mean | | 0% | SD | | 0% | | |
| | | | | | | | | | | | | | | |
| #Zymbal's Gland: | | | | | | | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | | | | | | | |
| | | | 0/50 | (0%) | | | | 0/50 | (0%) | | | | 0/50 | (0%) |
| | | | 0/50 | (0%) | | | | 0/50 | (0%) | | | | 0/50 | (0%) |
| Overall Incidence | | | Total | | 0/300 | (0%) | Mean | | 0% | SD | | 0% | | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied